

AMENDMENTS

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Original) An isolation gasket material comprising a crosslinked polyolefin foam having a density of from about 60 kg/m^3 to about 200 kg/m^3 , a compressive strength of from about $1/5 \text{ kg/cm}^2$ to about 8 kg/cm^2 , a shear strength of at least 2 mm, and a thickness of at least 0.5 mm.
2. (Original) The isolation gasket of claim 1 wherein the crosslinked polyolefin foam is comprised of ethylene propylene copolymer and linear low density polyethylene.
3. (Original) The isolation gasket of claim 2 wherein the ethylene propylene copolymer content is from about 50% to about 90%, by weight.
4. (Original) The isolation gasket of claim 2 wherein the ethylene propylene copolymer content is at least 20%, by weight.
5. (Original) The isolation gasket of claim 1 having a thickness of from about 0.8 mm to about 1.2 mm.
6. (Original) The isolation gasket of claim 1 having a fine cell structure with cells ranging from about 0.2 mm to about 1.0 mm.
7. (Original) The isolation gasket of claim 1 having a density of from about 100 kg/m^3 to about 125 kg/m^3 .
8. (Original) The isolation gasket of claim 1 having a compressive strength of about 6 kg/cm^2 .
9. (Original) The isolation gasket of claim 1 having a shear strength of at least 3 mm.
10. (Original) The isolation gasket of claim 2 having a degree of polymer crosslinking of from about 20 %, by weight, to about 65 %, by weight.
11. (Original) The isolation gasket of claim 10 having about 40 %, by weight, polymer crosslinking.

12-14. (Canceled)

15. (Currently Amended) An isolation gasket material ~~made in accordance with claim 14~~ that is the product of a process for manufacturing a crosslinked polyolefin isolation gasket comprising:

mixing a resin mixture comprising polyolefin resins into a homogeneous mixture,

foaming agents and/or crosslinking agents;

extruding the homogeneous mixture into a web having a thickness of from about 0.2 to about 3 mm;

cooling the web;

crosslinking the polymers in the web together to form a continuous polymer web having a degree of crosslinking of less than about 75 %;

heating the continuous polymer web to form a low-density, crosslinked polyolefin foam.